Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/07/2021 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125388	0	1.29	125293	1.27
Blue	F	SSC	125000	123449	-2	2.33	123792	2.20
Blue	E	FITC	13131	12831	-3	2.34	295	15.76
Blue	D	PE	24112	23969	-1	1.80	550	10.78
Blue	B	PerCP-Cy5-5	31295	30543	-3	3.13	1011	14.24
Blue	A	PE-Cy7	19939	19681	-2	5.35	524	29.49
Red	C	APC	42122	41367	-2	2.86	1730	11.37
Red	A	APC-Cy7	22340	21856	-3	3.13	816	11.83
Violet	B	V450	7410	7154	-4	3.42	433	12.48
Violet	A	V500	28118	26594	-6	3.01	663	9.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22891	1.85	581	12	N/A	N/A	Pass
Blue	F	SSC	57585	1.09	517	5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	-1	0.0395	81	Pass
Blue	D	PE	117	36.16	489	1	0.3976	282	Pass
Blue	B	PerCP-Cy5-5	188	34.82	584	-2	0.0208	55	Pass
Blue	A	PE-Cy7	105	68.12	627	-1	0.0214	0	Pass
Red	C	APC	400	23.65	580	4	0.0277	146	Pass
Red	A	APC-Cy7	183	27.86	555	4	0.0060	978	Pass
Violet	B	V450	61	65.03	456	3	0.0684	2803	Pass
Violet	A	V500	96	36.24	466	1	0.0275	1251	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.53	-31.29	1.07
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.98	13.60 - 20.40	N/A	N/A	29.71	30.01	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10336

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments